



## MATERIAL DATA SHEET

Material ref: S4172  
Description: 70 duro Silicone

**Meets: AMS3304**

### Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
<b><u>Hardness</u></b>	ASTM D2240	Shore A	70+/-5	70
<b><u>Tensile Strength</u></b>	ASTM D 412C	psi	650 min	900
<b><u>Ult. Elongation</u></b>	ASTM D412C	%	125 min	195
<b><u>Specific Gravity</u></b>	ASTM D1817	G/cm3		1.30+/- .03
<b><u>Heat Resistance</u></b> <b><u>70 hrs @ 225C</u></b>	ASTM D573			
Hardness Change		Shore A	+/-10 max	+3.1
Tensile Change		%	-25 max	-22.2
Elong. Change		%	-40 max	-26.5
<b><u>Compression Set</u></b> <b><u>70 hrs @ 150C</u></b>	ASTM 395B	%	25 max	14.4
<b><u>Oil Aging</u></b> <b><u>ASTM 1 Oil</u></b>	ASTM D471 70 hrs @ 150C			
Hardness Change		Shore A	-15 to plus 5	-3.8
Tensile Change		%	-20 max	+14
Elong. Change		%	-15 max	-6.6
Vol. Change		%	+15 max	+4.8
<b><u>Ozone Resistance</u></b> <b><u>50 pphm @ 20%</u></b>	ASTM D1171			
Elongation			no crack	pass
<b><u>Low Temp</u></b> <b><u>Brittleness</u></b>				
Non Brittle	3 min @ -65F			pass